




# RV8H Interface Relays

## Accessories

### Relay / Socket

Package Quantity: 1

Screw Terminal		
Interface Relay Complete Part No.	Applicable Socket Part No.	Applicable Relay Part No.
		
RV8H-L-D6	SV1H-07L-5	RV1H-G-D5
RV8H-L-D9		RV1H-G-D9
RV8H-L-D12		RV1H-G-D12
RV8H-L-D18		RV1H-G-D18
RV8H-L-D24		RV1H-G-D24
RV8H-L-AD12	SV1H-07L-1	RV1H-G-D12
RV8H-L-AD18		RV1H-G-D18
RV8H-L-AD24		RV1H-G-D24
RV8H-L-AD48	SV1H-07L-2	RV1H-G-D48
RV8H-L-AD60		RV1H-G-D60
RV8H-L-AD110	SV1H-07L-3	RV1H-G-D60
RV8H-L-AD220	SV1H-07L-4	RV1H-G-D60

Spring Clamp Terminal		
Interface Relay Complete Part No.	Applicable Socket Part No.	Applicable Relay Part No.
		
RV8H-S-D6	SV1H-07LS-5	RV1H-G-D5
RV8H-S-D9		RV1H-G-D9
RV8H-S-D12		RV1H-G-D12
RV8H-S-D18		RV1H-G-D18
RV8H-S-D24		RV1H-G-D24
RV8H-S-AD12	SV1H-07LS-1	RV1H-G-D12
RV8H-S-AD18		RV1H-G-D18
RV8H-S-AD24		RV1H-G-D24
RV8H-S-AD48	SV1H-07LS-2	RV1H-G-D48
RV8H-S-AD60		RV1H-G-D60
RV8H-S-AD110	SV1H-07LS-3	RV1H-G-D60
RV8H-S-AD220	SV1H-07LS-4	RV1H-G-D60

## Specifications

Part No.		RV8H-L (Screw Terminal)	RV8H-S (Spring Clamp Terminal)
Number of Poles		1-pole	
Contact Configuration		SPDT	
Contact Material		Silver alloy (gold-plated)	
Degree of Protection		Relay: IP67, Socket: IP20 (IEC 60529)	
Contact Resistance (initial value)		100mΩ maximum	
Operate Time		15ms maximum	
Release Time		20ms maximum	
Insulation Resistance		1,000MΩ minimum (500V DC megger)	
Dielectric Strength	Between contact and coil	4,000V AC, 1 minute	
	Between contacts of the same pole	1,000V AC, 1 minute	
Vibration Resistance	Operation extremes	10 to 55 Hz, amplitude 0.5mm (NO contact), 0.2mm (NC contact)	
	Damage Limits	10 to 55 Hz, amplitude 0.5mm (NO contact), 0.2mm (NC contact)	
Shock Resistance	Operation extremes	49 m/s <sup>2</sup> (NO contact), 29.4 m/s <sup>2</sup> (NC contact)	
	Damage Limits	980 m/s <sup>2</sup>	
Electrical Life (rated load)		30,000 operations minimum (NO contact), 10,000 operations minimum (NC contact) (250V AC/30V DC, 6A resistive load, operation frequency 1,800 operations per hour)	
Mechanical Life (no load)		10 million operations minimum (operation frequency 18,000 operations/hour)	
Operating Temperature		RV8H-*-D6, D9, D12, D18, D24, AD12, AD18, AD24, AD48, AD60: -40 to +70°C (no freezing) RV8H-*-AD110, AD220: -40 to +55°C (no freezing)	
Operating Humidity		5 to 85% RH (no condensation)	
Storage Temperature		-40 to +85°C (no freezing)	
Storage Humidity		5 to 85% RH (no condensation)	
Weight (approx.)		30g	26g